JUN 29 /200	14 13:05 FR MICROSOFT BLD	G 113 425 936 732	9 TO 915093238979	P.05/05
		NT APPLICATION		
<b>A</b>	DECLARATION	AND POWER OF ATTOR	INEY MS DOCKET	NO. 301328.01
ATTORNEY DOCKET N	O. MS1-1286US			46681205
My residence/post office believe I am the origin	ator, I hereby declare that:  Addition and citizenship are as al, first and sole inventor (if on below) of the subject matter to Pairing-Based Short Signature	which is claimed and fo	name; low) or an original, first r which a patent is sou	and joint inventor (if
(X) was filed on Ma Number 10/804	th is filed herewith unless the for 19, 2004 as US Application See, 835 and was amended one reviewed and understood the dment(s) referred to above. I a in 37 CFR 1.56.	(if applie	optified specification, in	cluding the claims, as which is material to
Foreign Application(s) and/o I hereby claim foreign priorit below and have also identifie priority is claimed:	r Claim of Foreign Priority y benefits under Title 35, United States d below any foreign application for pa	Code Section 119 of any forei tent or inventor(s) certificate h		
COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED U	i i
COOMINI			YES:	NO:
			YES:	NO:
POWER OF ATTORNEY: As a named inventor, I hereb	y appoint the following attorney(s) and	d/or agent(s) associated with		

Customer No. 22801

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:	Direct Telephone Calls To:
Kasey C. Christie Lec & Hayes, PLLC	(509) 324 <del>-9</del> 256
421 West Riverside Avenue, Suite 500	

	DECLARATION AND BOTHER OF A COLOR
	DECLARATION AND POWER OF ATTORNEY
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ATTORNEY DOCKET NO. MS1-1286US

MS DOCKET NO. 301328.01

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Ramarathnam Venkatesan	Citizenship: India
· Residence: Redmond, WA	
Post Office Address: 17208 NE 22nd Ct, Redmond, WA 98052	
_Venkatsan R	6/28/2004
Inventor's Signature	Date
Full Name of Inventor. Dan Boneh	Citizenship: Israel
Residence: Palo Alto, CA	
Post Office Address: 3349 Louis Road, Palo Alto, CA 94303	
Inventor's Signature	Date
Full Name of Inventor: Peter L. Montgomery	Citizenship: US
Residence: Bellevue, WA	
Post Office Address: 5023 148th Ave NE, Apt. G208, Bellevue, WA	98007
Inventor's Signature	Date
Full Name of Inventor. Victor Boyko	Citizenship: US
Residence: Brooklyn, NY	
Post Office Address: 1099 E 18th St, Brooklyn, NY 11230	
Inventor's Signature	Date

AUG. 5.2004 1/11PM STANFORD COMP SCI THEORY GRP

NO.664 P.2/6

EV466812059

# PATENT APPLICATION

ATTORNEY DOCKETNO. MS1-128655

MS DOCKET NO. 301328.01

As a below named invertor, I hereby beclare that:

My residence/post office assistand citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Cryptographic Pairing-Based Short Signature Generation and Verification

the specification of which is filed herewith unless the following box is checked:

(X) was filed on Mar 19, 2004 as US Application Serial No. or PCT International Application

Number 10/804,835 and was amended on \_\_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119	
			YES: NO:	
			YES: NO;	

### POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with

Customer No. 22801

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:

Kasey C. Christic
Lec & Hayes, PLLC

421 West Riverside Avenue, Suite 500

Spokane, WA 99201

MS1-1286US

ATTORNEY DOCKET NO.

NO.664 P.3/6

MS DOCKET NO. 301328.01

Post Office Address: 1099 E 18th St, Brooklyn, NY 11230		•
Residence: Brooklyn, NY	Citizenship: US	
Full Name of Inventor: Victor Boyko	Citizanchin: IIC	
Inventor's Signature	Date	
Post Office Address: 5023 148th Ave NE, Apt. G208, Bellevue, WA 98007		
Residence: Bellevue, WA		
Full Name of Inventor; Peter L. Montgomery	Citizenship: US	
Inventor's Signature	Date	
Post Office Address: 3349 Louis Road, Palo Alto, CA 94303	8/5/04	
Residence: Palo Alto, CA		
Full Name of Inventor: Dan Boneh	Citizenship: US	
Inventor's Signature	Date	
Post Office Address: 17208 NE 22nd Ct, Redmond, WA 98052		
Residence: Redmond, WA	•	
Full Name of Inventor: Ramarathnam Venkatesan	Citizenship: India	
and belief are believed to be true; and further that these statem statements and the like so made are punishable by fine or imprisonn States Code and that such willful false statements may jeopardize the	1871 Or both under Feelier 1001 - (Mid- 10 - C	illful false

DECLARATION AND POWER OF ATTORNEY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information

Inventor's Signature

Date

FR MICROSOFT BLDG 113 425 936 7329 TO 915093238979 P.02/06

PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY MS DOCKET NO. 301328.01

As a below named investor. The device declare that:

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COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES:NO:
			YES: NO:

#### POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with

Customer No. 22801

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to: Direct Telephone Calls To: Kasey C. Christie Lee & Hayes, PLLC (509) 324-9256 421 West Riverside Avenue, Suite 500 Spokane, WA 99201

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## DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. M51-1286US

MS DOCKET NO. 301328.01

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor. Ramarathnam Venkatesan	Citizenship: India
Residence: Redmond, WA	
Post Office Address: 17208 NE 22nd Ct, Redmond, WA 98052	
Inventor's Signature	Date
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Residence: Palo Alto, CA	
Post Office Address: 3349 Louis Road, Palo Alto, CA 94303	
Inventor's Signature	Date
Full Name of Inventor: Peter L. Montgomery	Citizenship: US
Residence: Bellevue, WA	
Post Office Address: 5023 148th Ave NE, Apt. G208, Bellevue, WA 98007	JA 6,2004
Inventor's Signature	' Date'
Full Name of Inventor: Victor Boyko	Citizenship: US
Residence: Brooklyn, NY	
Post Office Address: 1099 E 18th St, Brooklyn, NY 11230	
Inventor's Signature	Data

15:34 FR CICROSOFT BLDG 113 425 936 7329 TO 915093238979 P.02/06 PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY MS DOCKET NO. MS1-1286US ATTORNEY DOCKET NO As a below named inventors hereby declare that: My residence/post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Cryptographic Pairing-Based Short Signature Generation and Verification the specification of which is filed herewith unless the following box is checked: was filed on Mar 19, 2004 as US Application Serial No. or PCT International Application (if applicable). Number 10/804,835 and was amended on \_ I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. Foreign Application(s) and/or Claim of Foreign Priority I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed: PRIORITY CLAIMED UNDER 35 U.S.C. 119 DATE FILED APPLICATION NUMBER COUNTRY NO: YES: NO: YES: POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with Customer No. 22801

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ATTORNEY DOCKET NO. MS1-1286US

MS DOCKET NO. 301328.01

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Inventor's Signature	Date		
Full Name of Inventor: Victor Boyko	Citizenship: US		
Residence: Brooklyn, NY			
Post Office Address: 1099 E 18th St, Brooklyn, NY 11230	6128104		
Inventor's Signature	Date		